BARCO

BARCO PROJECTION SYSTEMS

BARCO Lamp 6500 Kit

INSTALLATION MANUAL

KIT LAMP FOR 6500 PROJECTORS

Date: 20.04.2006 Rev: 02 Art. No.: R5976382

Due to constant research, the information in this manual is subject to change without notice.

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Safety

Who

This procedure is intended for use only by qualified service technicians who have been trained and authorized by BARCO !

Hot Surface and Risk of Explosion.

Switch the projector to stand by and let it cool down for at least 15 minutes before starting with the lamp replacement.
These lamps consist of a quartz arc tube operating at very high temperature and high pressure which may explode suddenly. There is a risk of personal injury and property damage from hot quartz arc tube particles if handled incorrectly.

Risk of Electrical Shock.

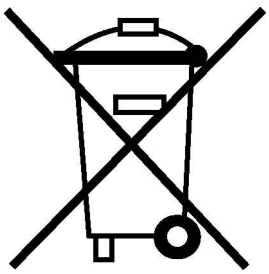
Power down the projector and unplug the power cord from the wall outlet.
Once the projector is cooled down and the power is off, continue with the replacement procedure.

Lamp Life Time Warning

Do not exceed the indicated maximum total lifetime of the lamp for safe operation in normal power mode.
Do not use it longer ! Always replace the lamp with the BARCO lamp kit for 6500 projectors.

Recycling

Do not break or crush lamps because this may pose health and environmental risks when mercury vapors are released.
To avoid breaking the lamps, repack carefully when storing and transporting them.
Lamps may not be disposed as normal household trash.
Contact your local waste disposal facility for information on the recycling program for HID(High Intensity Discharge) lamps in your area.



Disposal options for mercury-containing lamps :

- **Recycle through a municipal or solid waste district household hazardous waste collection program in accordance with local regulations.**
- **Direct shipment to lamp recycler.**
- **Shipment through a hazardous waste transporter.**

Contents of the Kit

Lamp Type

The kit contains a Metal Halide projection Lamp mounted in a housing together with the reflector.

Precautions

Do not touch the lamp with your fingers otherwise the lifetime of the lamp will be reduced.
If the lamp is touched, finger prints can be removed by cleaning the lamp with alcohol.

Lamp Serial Number

Each new lamp is marked with a serial number (6 digits). Write down this number in the forseen area. The serial number has to be programmed when resetting the lamp run time.

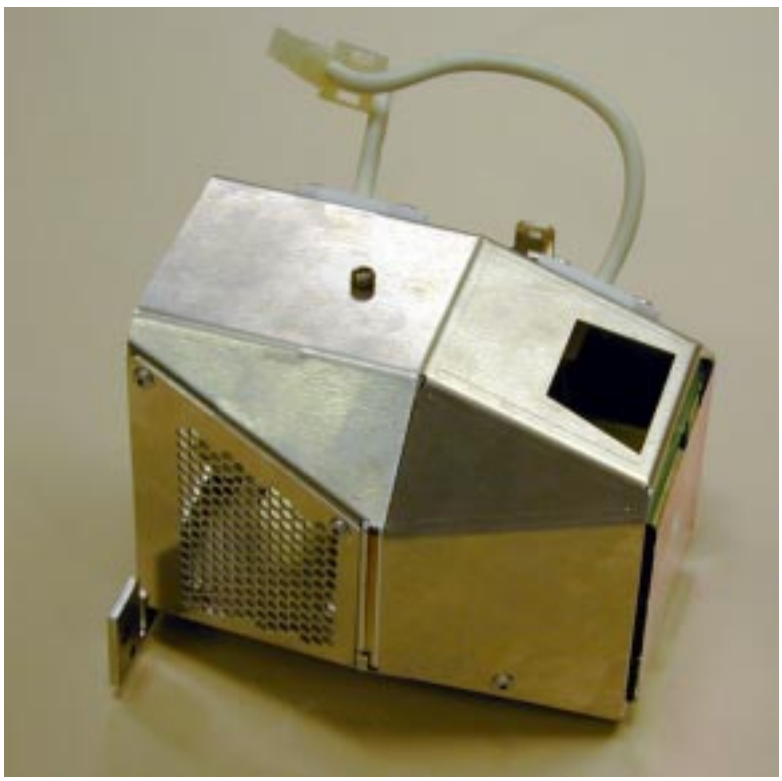
Serial number lamp : | 0 | | | | | | |

Part Listing

The following parts are in the kit :

Part Number	Description	Indication
(see lamp)	LAMP	1
R5976382	MAN INS G6500 LMP	1

Illustration of the Kit



Access to the Lamp Unit.

What has to be done

- The lamp house door has to be opened.
- The lamp protection cover has to be removed.

Necessary Tools

- a flat screwdriver of 5 mm

Opening the Lamp House Door.

To open the lamp house door, follow the next procedure:

Step	Action	Image
1	Turn with a screwdriver the door lock screw a quarter turn counter clockwise.	1
2	Open the door a little.	2
3	Unhook the door from its fixing points.	

Illustrations on Opening the Lamp House Door.

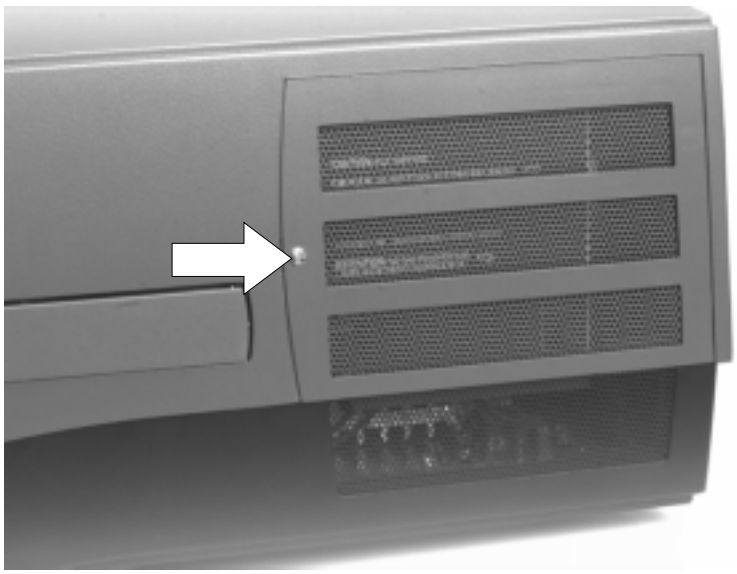


Image 1



Image 2

To be continued on next page.

Access to the Lamp Unit (Continued)

Removing the Protection Cover

To remove the protection cover, follow the next procedure:

Step	Action	Image
1	Loosen with a screwdriver the 3 indicated bolts.	1
2	Pivote the plate a little downwards.	2
3	Take out the protection cover.	

Caution

Hot surface.
Do not touch rotating fan blades.
High pressure lamp may explode if improperly handled. Refer servicing to qualified service personnel.

Illustrations on Removing the Protection Cover

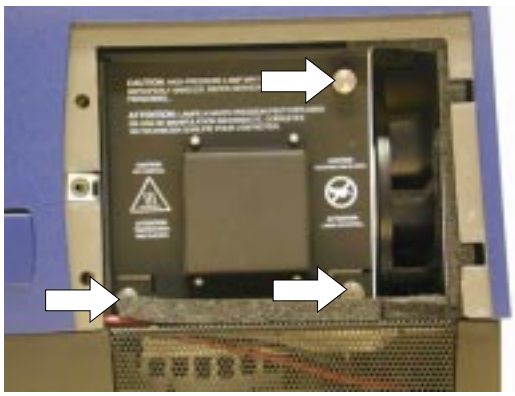


Image 1



Image 2

Removing the Lamp Unit.

What has to be done

- The lamp power connection has to be disconneced.
- The lamp unit has to be removed.

Necessary Tools

- No tools are necessary.

Removing the Lamp unit

To remove the lamp unit, follow the next procedure:

Step	Action	Image
1	Slide the lamp unit backwards	1
2	Take out the lamp unit and put it on the table.	2

Illustrations on Removing the Lamp unit

The following images give an illustration on how to slide out the lamp.

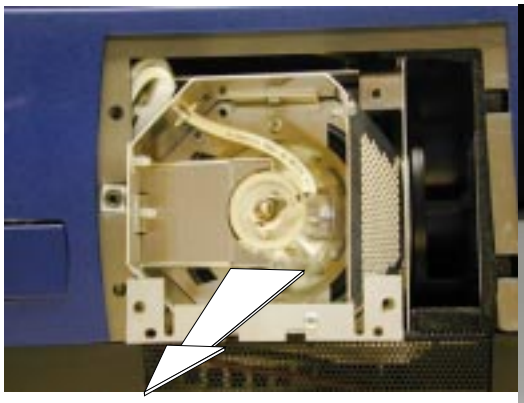


image 1

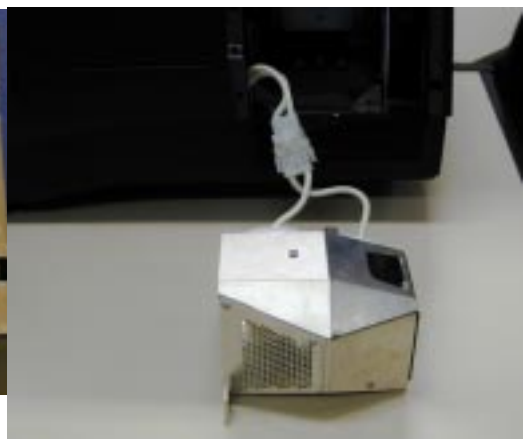


image 2

Disconnecting the Lamp Power Cable

To disconnect the lamp power cable, follow the next procedure:

Step	Action	Image
1	Take the sides of the lamp connector between thumb and finger.	1
2	Unlock the connector by pushing at the same time on both lock parts and separate the connectors.	

Illustrations on Disconnecting the Lamp Power Cable

The following image shows the power cable connector.



image 1

Installing the Lamp Unit.

What has to be done

- The lamp unit has to be installed.
- Reinstall the lamp power cable.

Precautions

Do not touch the lamp with your fingers otherwise the lifetime of the lamp will be reduced.
If the lamp is touched, finger prints can be removed by cleaning the lamp with alcohol.

Reinstall the Lamp power connection

To reinstall the lamp power connection, follow the next procedure:

Step	Action	Image
1	Connect the connector at the lamp side into the connector at the power side.	1

Illustration on Lamp connection



Image 1

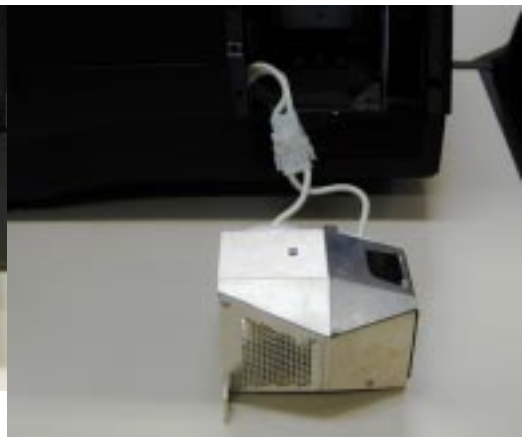


Image 2

Installing the Lamp unit

To install the lamp unit, follow the next procedure:

Step	Action	Image
1	Take the lamp unit out of its package.	1
2	Slide the lamp unit in the lamp house until the ref. holes (A) in the bottom part of the lamp unit matches the ref. pins on the projector frame (B). Push the lamp power cable on its place as shown in image 1.	2

Illustration on Installing the Lamp unit

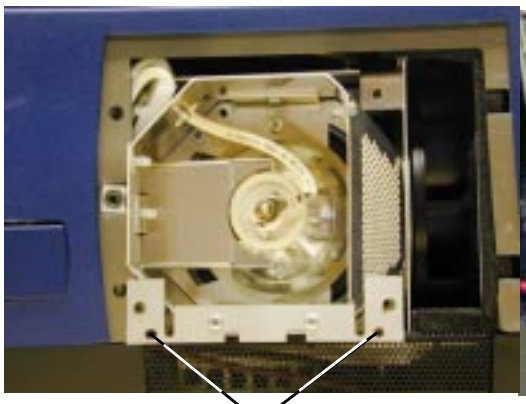


Image 1

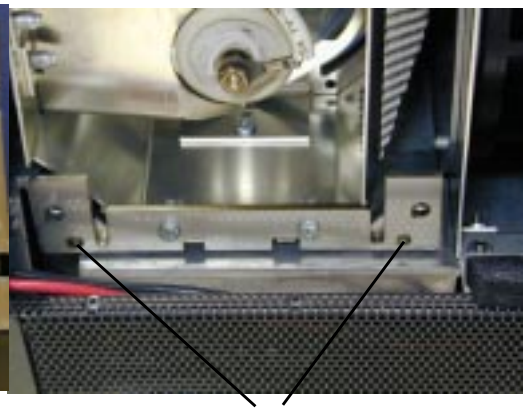


Image 2

Closing the Lamp house.

What has to be done

- The lamp protection cover has to be installed.
- The lamp house door has be reinstalled.

Necessary Tools

- a flat screwdriver 5 mm or a nutdriver 5.5

Installing the Protection Cover

To install the protection cover, follow the next procedure:

Step	Action	Image
1	Put the protection cover on its place by inserting it as shown in image 1. Warning : be careful for the lamp power cable. Do not stick this cable between the protection cover and the lamp house.	1
2	Secure the position of the cover with the 3 indicated bolts.	2

Illustration on Installing the Protection Cover



Image 1

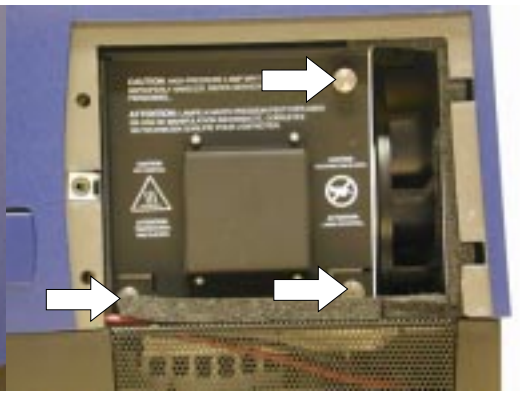


Image 2

To be continued on next page.

Closing the Lamp house (Continued)

Closing the Lamp House Door.

To close the lamp house door, follow the next procedure:

Step	Action	Image
1	Hook the door on its fixing points.	1
2	Close the door.	2
3	Turn with a screwdriver the door lock screw a quarter turn clockwise.	

Illustrations on Closing the Lamp Door.



Image 1

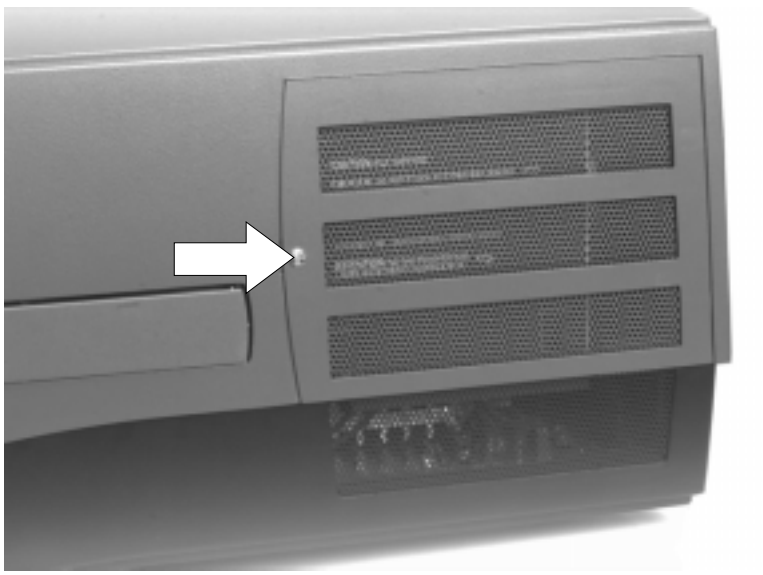


Image 2

Cleaning the Dust Filter.

What has to be done

- The projector has to be turned upside down.
- The dust filters have to be removed and cleaned or replaced.

Necessary Tools

- a flat screwdriver 5 mm.

Removing the Dust Filter

To remove the dust filter, follow the next procedure:

Step	Action	Image
1	Turn the projector upside down.	
2	Turn out the 2 fixation screws of both dust filters.	1 & 2
3	Clean the dust filter with a dry cloth.	
4	Re-insert the dust filter.	
5	Secure their position by insertion and tightening 2 fixation screws.	

Illustrations

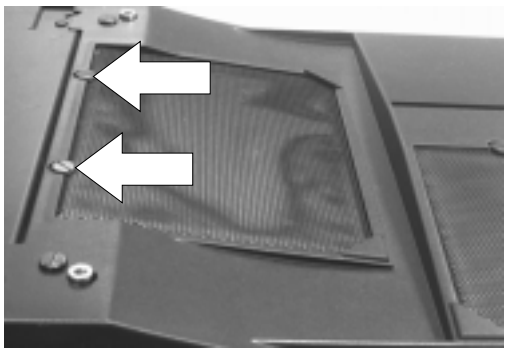


Image 1

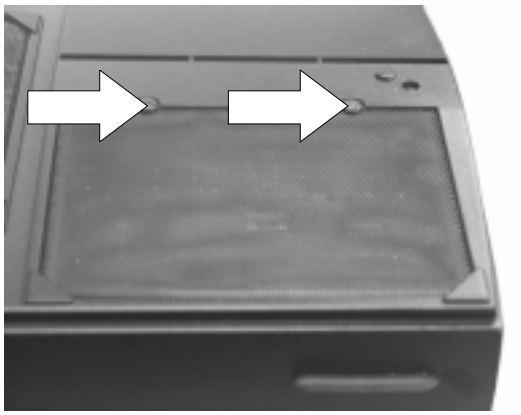


Image 2

Reset Lamp Run Time.

What has to be done

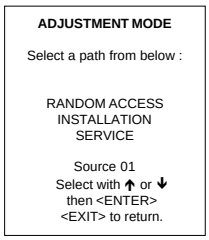
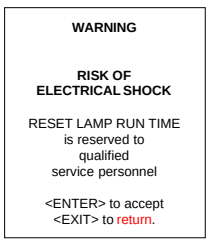
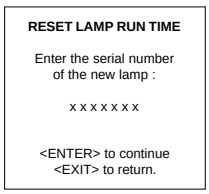
The lamp run time has to be reset to zero hours.

Necessary Tools

no tools necessary

Reset Lamp Run Time

To reset the lamp run time, follow the next procedure:

Step	Action	Screen menu
1	Start up the projector.	
2	Enter the adjustment mode by pushing ENTER.	
3	Select Service mode by pushing the cursor key ↑ or ↓. Press ENTER to select.	
4	Select Reset Lamp Run time by pushing the cursor key ↑ or ↓. Press ENTER to select.	
	A warning appears on the screen. If qualified, press ENTER. The Reset Run Time menu appears.	
5	Enter the serial number of the new lamp with the digit keys on the RCU. Start with 0 and continue with the number written on page 4.	
6	Press ENTER to continue.	